

Table 8. Percentage distribution of definite postgraduation plans of science and engineering (S&E) doctorate recipients, by citizenship status and major field: 1997

Field of study	Definite plans	In the United States					Abroad	Location unknown
		Total in U.S.	Postdoc study	Academic employment	Industry employment	Other		
All recipients								
Science and engineering, total	100.0	85.9	35.9	15.3	21.8	12.9	11.1	3.0
Engineering, total	100.0	84.9	18.2	7.6	48.0	11.1	12.3	2.8
Aeronautical/astronautical	100.0	86.2	24.7	4.0	36.2	21.3	12.1	1.7
Chemical	100.0	85.1	21.2	3.9	53.7	6.2	11.6	3.3
Civil	100.0	79.0	20.1	13.7	29.4	15.7	19.0	2.0
Electrical	100.0	88.2	8.7	6.6	62.3	10.6	8.9	2.9
Industrial	100.0	74.6	9.5	15.9	43.7	5.6	22.2	3.2
Materials/metallurgical	100.0	83.5	25.6	3.9	46.3	7.7	12.4	4.1
Mechanical	100.0	87.5	21.4	7.7	48.3	10.1	10.1	2.4
Other engineering	100.0	82.0	25.4	11.1	30.5	15.0	15.8	2.3
Sciences, total	100.0	86.2	40.9	17.5	14.4	13.4	10.7	3.1
Physical sciences, total	100.0	90.3	52.2	7.1	24.5	6.5	8.2	1.5
Astronomy	100.0	87.2	63.1	6.4	10.6	7.1	11.3	1.4
Chemistry	100.0	91.7	53.3	7.5	25.8	5.0	6.8	1.5
Physics	100.0	88.5	48.6	6.3	24.9	8.7	10.1	1.4
Other physical sciences	100.0	100.0	45.5	27.3	9.1	18.2	0	0
Earth, atmospheric, and ocean sciences	100.0	82.8	38.6	13.1	13.8	17.2	13.4	3.8
Mathematics	100.0	82.3	23.7	28.3	20.5	9.8	14.1	3.7
Computer sciences	100.0	86.1	11.7	19.6	46.5	8.2	10.6	3.4
Biological sciences	100.0	89.0	67.9	7.7	4.3	9.1	7.8	3.2
Agricultural sciences	100.0	72.8	30.6	14.9	17.4	9.9	24.3	2.9
Psychology	100.0	93.4	29.6	20.5	14.4	28.9	2.9	3.7
Social sciences	100.0	75.9	8.6	40.0	10.3	17.0	20.3	3.8
Non-S&E, total	100.0	87.0	4.9	46.5	6.4	29.2	8.0	5.0
Grand total, all fields	100.0	86.3	24.9	26.3	16.4	18.7	10.0	3.7
U.S. citizens								
Science and engineering, total	100.0	92.9	35.9	20.3	19.6	17.1	3.9	3.3
Engineering, total	100.0	94.1	17.0	11.8	47.8	17.5	2.7	3.2
Aeronautical/astronautical	100.0	98.1	21.2	3.8	41.3	31.7	1.0	1.0
Chemical	100.0	92.7	19.5	5.5	60.0	7.7	3.6	3.6
Civil	100.0	94.9	13.5	24.4	30.1	26.9	1.3	3.8
Electrical	100.0	94.6	8.7	9.2	59.7	17.0	1.7	3.7
Industrial	100.0	91.5	11.9	28.8	42.4	8.5	3.4	5.1
Materials/metallurgical	100.0	92.4	23.2	5.9	50.8	12.4	5.4	2.2
Mechanical	100.0	94.2	18.2	13.1	46.4	16.5	2.4	3.4
Other engineering	100.0	93.7	26.8	16.7	27.9	22.3	3.7	2.6
Sciences, total	100.0	92.6	39.8	22.0	13.8	17.0	4.1	3.3
Physical sciences, total	100.0	94.4	50.7	9.7	25.5	8.4	4.3	1.4
Astronomy	100.0	89.4	65.5	7.1	9.7	7.1	9.7	.9
Chemistry	100.0	95.2	50.3	10.4	28.4	6.1	3.6	1.3
Physics	100.0	94.0	48.4	8.6	24.5	12.6	4.3	1.6
Other physical sciences	100.0	100.0	40.0	30.0	10.0	20.0	0	0
Earth, atmospheric, and ocean sciences	100.0	88.6	36.8	16.4	13.1	22.3	7.2	4.2
Mathematics	100.0	90.4	21.3	40.8	14.7	13.5	5.4	4.2
Computer sciences	100.0	93.1	12.2	27.5	42.5	10.9	2.2	4.7
Biological sciences	100.0	92.2	67.0	9.7	4.6	10.9	4.8	3.0
Agricultural sciences	100.0	91.5	26.1	26.5	22.4	16.5	5.9	2.6
Psychology	100.0	95.1	29.3	21.0	14.7	30.1	1.2	3.8
Social sciences	100.0	90.3	8.9	50.8	9.6	21.0	5.2	4.5
Non-S&E, total	100.0	92.5	4.3	49.0	6.3	33.0	2.3	5.1
Grand total, all fields	100.0	92.7	22.5	32.4	14.0	23.8	3.2	4.1

See explanatory information, if any, and SOURCE at end of table.

Table 8. Percentage distribution of definite postgraduation plans of science and engineering (S&E) doctorate recipients, by citizenship status and major field: 1997

Field of study	Definite plans	In the United States					Abroad	Location unknown
		Total in U.S.	Postdoc study	Academic employment	Industry employment	Other		
Non-U.S. citizens with permanent visas								
Science and engineering, total	100.0	90.1	37.2	8.7	33.9	10.2	5.9	4.1
Engineering, total	100.0	89.9	12.7	4.0	64.2	9.0	6.9	3.2
Aeronautical/astronautical	100.0	100.0	0	0	83.3	16.7	0	0
Chemical	100.0	88.9	16.7	7.4	55.6	9.3	5.6	5.6
Civil	100.0	82.1	23.1	0	35.9	23.1	17.9	0
Electrical	100.0	92.0	2.7	5.4	76.8	7.1	7.1	.9
Industrial	100.0	83.3	8.3	0	75.0	0	16.7	0
Materials/metallurgical	100.0	85.2	22.2	0	55.6	7.4	0	14.8
Mechanical	100.0	96.0	22.0	4.0	66.0	4.0	2.0	2.0
Other engineering	100.0	89.1	10.9	4.3	65.2	8.7	6.5	4.3
Sciences, total	100.0	90.1	45.8	10.4	23.3	10.7	5.5	4.4
Physical sciences, total	100.0	94.0	43.5	3.7	43.1	3.7	4.2	1.9
Astronomy	100.0	75.0	50.0	0	25.0	0	25.0	0
Chemistry	100.0	95.1	46.3	4.1	42.3	2.4	2.4	2.4
Physics	100.0	93.3	39.3	3.4	44.9	5.6	5.6	1.1
Other physical sciences	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	100.0	96.8	32.3	6.5	41.9	16.1	3.2	0
Mathematics	100.0	92.6	20.4	20.4	42.6	9.3	3.7	3.7
Computer sciences	100.0	94.6	12.5	14.3	58.9	8.9	3.6	1.8
Biological sciences	100.0	92.8	72.4	5.1	5.4	9.9	1.6	5.6
Agricultural sciences	100.0	78.3	41.3	4.3	21.7	10.9	10.9	10.9
Psychology	100.0	96.2	44.2	13.5	17.3	21.2	1.9	1.9
Social sciences	100.0	76.3	10.9	28.8	17.9	18.6	17.9	5.8
Non-S&E, total	100.0	80.8	6.1	51.2	11.3	12.2	12.5	6.7
Grand total, all fields	100.0	88.2	31.1	17.1	29.4	10.6	7.2	4.6
Non-U.S. citizens with temporary visas								
Science and engineering, total	100.0	69.6	35.9	5.8	24.0	3.8	28.4	2.0
Engineering, total	100.0	73.3	21.1	3.3	45.5	3.4	24.7	2.0
Aeronautical/astronautical	100.0	65.1	33.3	4.8	23.8	3.2	31.7	3.2
Chemical	100.0	75.9	23.1	1.5	47.2	4.0	22.1	2.0
Civil	100.0	63.3	26.6	6.5	28.1	2.2	36.0	.7
Electrical	100.0	80.7	10.5	3.8	62.4	4.0	16.9	2.4
Industrial	100.0	56.6	7.5	5.7	39.6	3.8	43.4	0
Materials/metallurgical	100.0	72.6	29.5	1.4	39.7	2.1	22.6	4.8
Mechanical	100.0	78.1	25.8	1.7	47.6	3.0	20.6	1.3
Other engineering	100.0	61.6	27.0	4.4	26.4	3.8	37.7	.6
Sciences, total	100.0	67.8	43.2	7.0	13.6	4.0	30.2	2.0
Physical sciences, total	100.0	80.9	58.1	2.7	16.8	3.3	17.9	1.2
Astronomy	100.0	81.8	59.1	4.5	9.1	9.1	13.6	4.5
Chemistry	100.0	82.9	62.1	2.2	15.4	3.3	15.7	1.4
Physics	100.0	78.1	52.4	3.3	19.3	3.0	21.2	.7
Other physical sciences	100.0	100.0	100.0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	100.0	64.0	46.4	6.4	7.2	4.0	32.0	4.0
Mathematics	100.0	71.5	28.1	14.5	23.4	5.5	25.4	3.1
Computer sciences	100.0	74.2	10.8	9.9	50.2	3.3	24.4	1.4
Biological sciences	100.0	79.5	69.9	3.0	3.0	3.7	17.9	2.6
Agricultural sciences	100.0	48.9	35.1	2.1	10.6	1.1	49.5	1.6
Psychology	100.0	53.9	27.6	13.2	5.3	7.9	43.4	2.6
Social sciences	100.0	38.7	7.4	14.9	10.8	5.6	60.0	1.3
Non-S&E, total	100.0	46.8	9.5	26.1	6.2	5.0	50.3	2.9
Grand total, all fields	100.0	65.8	31.6	9.2	21.1	4.0	32.0	2.1

SOURCE: National Science Foundation/Science Resource Studies, Survey of Earned Doctorates